CERTIFICATE OF SURVEY

LOT 7, BLOCK ONE, STONYBROOK,
SECTION 8, TOWNSHIP 135 NORTH, RANGE 29 WEST,
CASS COUNTY, MINNESOTA
AREA = 20,274 SQ. FT.± / 0.5 ACRE±

UPPER GULL LAKE

RECREATIONAL DEVELOPMENT CLASSIFICATION
NORMAL RESERVOIR POOL ELEVATION = 1194.00
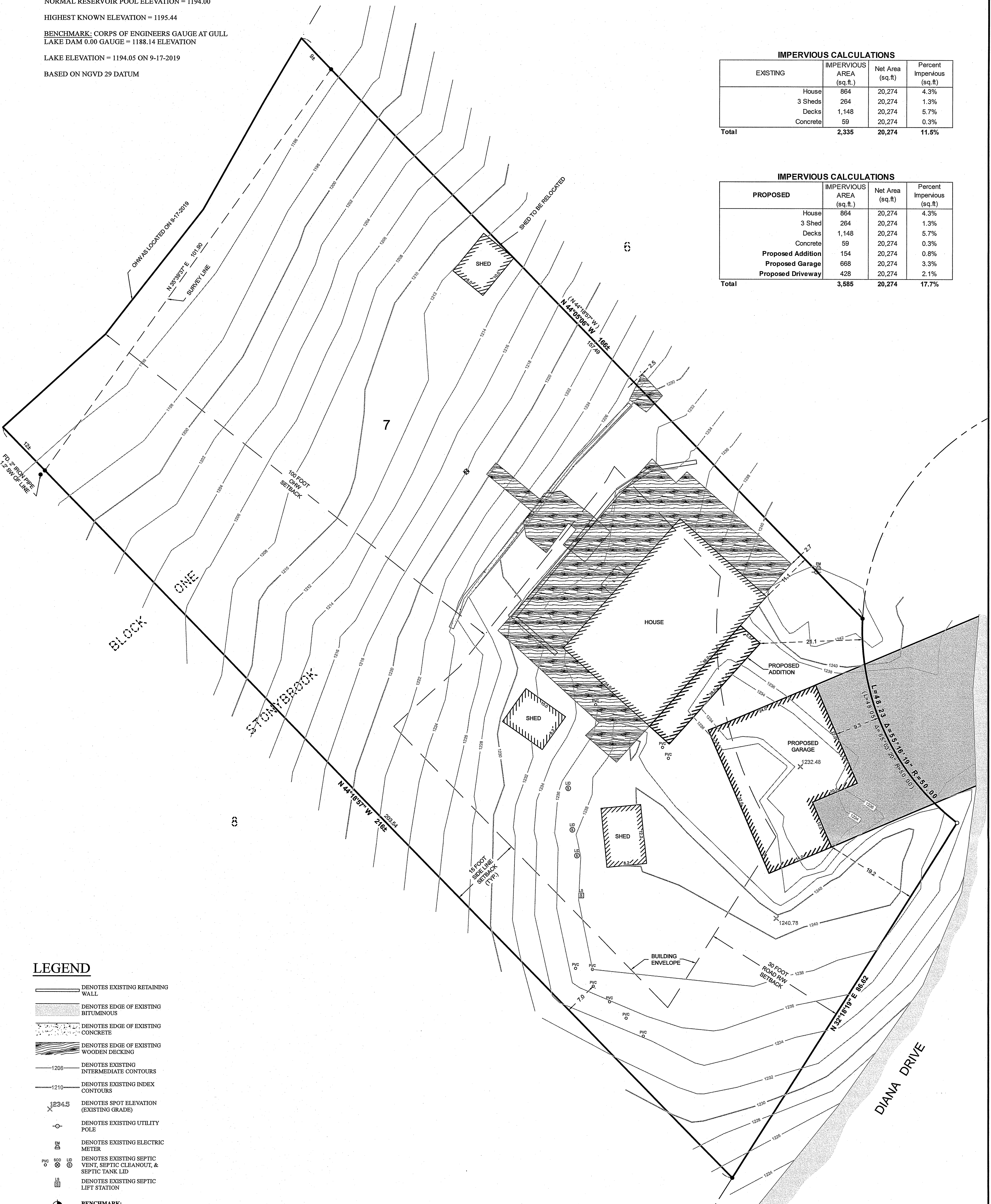
HIGHEST KNOWN ELEVATION = 1195.44

BENCHMARK: CORPS OF ENGINEERS GAUGE AT GULL
LAKE DAM 0.00 GAUGE = 1188.14 ELEVATION

LAKE ELEVATION = 1194.05 ON 9-17-2019

BASED ON NGVD 29 DATUM

IMPERVIOUS CALCULATIONS

EXISTING	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft)	Percent Impervious (sq.ft)
House	864	20,274	4.3%
3 Sheds	264	20,274	1.3%
Decks	1,148	20,274	5.7%
Concrete	59	20,274	0.3%
Total	**2,335**	**20,274**	**11.5%**

IMPERVIOUS CALCULATIONS

PROPOSED	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft)	Percent Impervious (sq.ft)
House	864	20,274	4.3%
3 Shed	264	20,274	1.3%
Decks	1,148	20,274	5.7%
Concrete	59	20,274	0.3%
Proposed Addition	154	20,274	0.8%
Proposed Garage	668	20,274	3.3%
Proposed Driveway	428	20,274	2.1%
Total	**3,585**	**20,274**	**17.7%**

LEGEND

- DENOTES EXISTING RETAINING WALL
- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF EXISTING WOODEN DECKING
- —1208— DENOTES EXISTING INTERMEDIATE CONTOURS
- —1210— DENOTES EXISTING INDEX CONTOURS
- 1234.5 DENOTES SPOT ELEVATION (EXISTING GRADE)
- DENOTES EXISTING UTILITY POLE
- DENOTES EXISTING ELECTRIC METER
- PVC SCO LID DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- LS DENOTES EXISTING SEPTIC LIFT STATION
- **BENCHMARK:** SET DOUBLE HEADED NAIL IN EAST FACE OF A 14" BIRCH
  ELEV. = 1219.45
- (123.45) DENOTES PLAT AND/OR DEEDED MEASURE
- ● DENOTES MONUMENT FOUND
- ○ DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 44881

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE RECORDED PLAT OF STONYBROOK.

NOTES:

1. Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown have been obtained using standard survey topographic methodology. Field located on 9-17-2019.
2. Zoning for subject tract = "Residential, Medium Density R-2 (Shoreline)".
3. There are no bluffs or wet lands within surveyed property. There is significant grade on the property but does not meet the bluff requirements, therefore is not a bluff.
4. Parcel ID of subject parcel: 90-369-0135.
5. The property address of subject parcel: 1274 Diana Drive.

SCALE IN FEET
10   0   10   20

N

SHEET 1 OF 1	CERTIFICATE OF SURVEY Larry Oaks Wausau Homes 24400 Smiley Road St#12 Nisswa, MN 56468	PROJECT MANAGER: CMH	PROJECT No.: 19252	DATE: 9-20-2019	REVISIONS			I HEREBY CERTIFY THAT THIS SURVEY, PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.	STONEMARK	30206 Rasmussen Road Suite 1
		CHECKED BY: CMH	FILE NAME: C19252.dwg	SCALE: HORZ. 1"=10'	DATE	DESCRIPTION	BY	CYNTHIA M. HIDDE PLS#44881		P. O. Box 874 Pequot Lakes, MN 56472
		DRAWN BY: RJF	FIELD BOOK: BOOK 454 PG. 52	VERT. NONE				DATE 9/20/19 LIC. NO. 44881		218-568-4940 www.stonemarksurvey.com